

Title (en)  
 POROUS ARTICLE OF SINTERED CALCIUM PHOSPHATE, PROCESS FOR PRODUCING THE SAME AND ARTIFICIAL BONE AND HISTOMORPHOLOGICAL SCAFFOLD USING THE SAME

Title (de)  
 PORÖSER GEGENSTAND AUS GESINTERTEM CALCIUMPHOSPHAT, HERSTELLUNGSVERFAHREN DAFÜR UND KÜNSTLICHE KNOCHEN UND HISTOMORPHOLOGISCHES GERÜST UNTER DESSEN VERWENDUNG

Title (fr)  
 ARTICLE POREUX DE PHOSPHATE DE CALCIUM FRITTE, PROCEDE DE PRODUCTION DE CELUI-CI, AINSI QU'OS ARTIFICIEL ET ECHAFAUDAE HISTOMORPHOLOGIQUE FAISANT APPEL A CET ARTICLE

Publication  
**EP 1449818 A4 20061206 (EN)**

Application  
**EP 02777883 A 20021018**

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Abstract (en)  
 [origin: EP1449818A1] The present invention provides porous material of calcium phosphate of high strength whose open pores penetrate the porous body and have a size of 70  $\mu$ m or more, preferably 100  $\mu$ m or more, and are arranged in a three-dimensional network, whose porosity is sufficiently high for blood vessels to invade and perforate itself or for cells to infiltrate itself, whose chemical composition, in particular, Ca/P molar ratio can be freely changed within the range of 0.75 to 2.1, to which elements important for facilitating osteogenesis and producing resorbable effect can be added, and whose phase composition can be relatively easily changed. The invention is porous sintered compact of calcium phosphate which has artificially formed, penetrated open pores 70  $\mu$ m to 4 mm in diameter, whose porosity is from 20% to 80%, and whose chief ingredient is calcium phosphate having a Ca/P molar ratio of from 0.75 to 2.1. <IMAGE>

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
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